

# CARGILL HEXANE GAS

## Foundation Repair

**18**  
HELICAL  
PILES  
INSTALLED

COMMERCIAL

**RAM JACK OF TENNESSEE**  
[www.ramjacktn.com](http://www.ramjacktn.com) | 731-686-0370  
Milan, Tennessee



## **PROBLEM**

A challenging issue arose when the footings of a structure settled by a substantial 7 inches, leading to a noticeable flex in the gas line. This presented a potential hazard and called for urgent remediation to prevent further damage and potential safety risks.

## **PROPOSED SOLUTION**

The execution of the solution was entrusted to Ram Jack of Tennessee, a skilled entity in foundation repair and structural support. In response to the settlement problem, Ram Jack, with the assistance of SSR Engineering, devised a comprehensive solution. The approach involved the strategic installation of helical piles equipped with Colorado brackets, as well as tieback piles supported by anchor brackets. Additionally, steps were taken to address the broader terrain-related concerns. The hillside was re-sloped, and a drainage problem was rectified to mitigate future settlement issues.

## **OUTCOME**

The team successfully implemented the plan by installing a total of 18 piles, comprising 12 helical piles featuring Colorado brackets, and 6 tieback piles with anchor brackets. The project demanded a collaborative effort, with the general contractor providing



supplementary manpower to assist in the removal of the previously installed flow fill. This preparation facilitated the attachment of the necessary brackets, allowing for the subsequent installation of the helical piles.

Thanks to round-the-clock dedication of the Ram Jack of Tennessee team, the endeavor was accomplished within the set timeframe, enabling the general contractor to seamlessly conclude the overall project. The result was the complete restoration of the original footing elevation with an impressive 7-inch lift. With the foundation taken care of, the general contractor was able to finalize the soil matting and carry out the installation of riprap, marking the successful culmination of the entire undertaking.



**DON'T DO IT TWICE.™**  
**DO IT RIGHT.**

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**INSTALLATION OVERVIEW**

**COMMERCIAL INSTALLATION**

RAM JACK OF TENNESSEE

**PRODUCTS USED**

- 4362 Helical Piles
- 4385 Extension
- 4099.45 Bracket
- 4112 Guide Sleeve

**PRODUCT TYPE**

REMEDIAL HELICAL PILES

**TYPICAL APPLICATIONS**

Ram Jack's 2.875" external connection helical piles are typically used in compression and tension applications.



**Proudly Made in America**

**ISO 9001:2015**  
CERTIFIED



ICC-ES RECOGNIZED



CCMC RECOGNIZED



# Custom Engineered Solutions Rooted in Quality.



CCMC RECOGNIZED

ISO  
9001:2015  
CERTIFIED



ICC-ES RECOGNIZED

At Ram Jack®, we are focused on providing custom-engineered solutions that meet the unique needs of our commercial clients. You can move forward with confidence knowing we maintain code compliance, providing piles and brackets that reach the highest rating among competitors' products recognized by ESR-1854. Our company has the most products recognized by the ICC and boast an ISO 9001:2015 certified manufacturing facility.

We have the facility to design and fabricate custom products—we are the one-stop solution for engineers and even offer our own in-house engineers for assistance with your project. If you need assistance with foundation designs, we also provide engineer tools and resources and our engineers can work with the project's EOR to develop a custom-designed solution.



## Everything an Engineer Needs

The Ram Jack Technical Manual provides engineers with the information that you will need to understand, design, and specify Ram Jack's helical and driven piles. It also provides information verifying compliance with current building codes and ICC-approved acceptance criteria.

Everything an engineer could ever want and need to know about Ram Jack Helicals and Driven Piles in one book. If you or your firm would be interested in a Ram Jack Technical Manual, please contact your local Ram Jack dealer by emailing [info@ramjack.com](mailto:info@ramjack.com).



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